

Product datasheet for **RG205987**

RNF23 (TRIM39) (NM_172016) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF23 (TRIM39) (NM_172016) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RNF23
Synonyms:	RNF23; TFP; TRIM39B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG205987 representing NM_172016
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGAGACAAGTCTGTTAGAGGCTGGGGCCTCTGCAGCCTCTACAGCTGCGGCTTTGGAGAATTAC
 AGGTGGAGGCGAGCTGCTCTGTGTGCCTGGAGTATCTGAAGGAACCTGTATCATTGAGTGTGGGCACAA
 CTTCTGCAAGCTTGCATCACCCGCTGGTGGGAGGACCTAGAGAGGGACTTCCCTGTCTGTCTGCGA
 AAGACATCCCGCTACCGCAGTCTCCGACCTAATCGGCAACTAGGCAGTATGGTGGAAATTGCCAAGCAGC
 TCCAGGCCGTCAAGCGGAAGATCCGGGATGAGAGCCTCTGCCCCAACACCATGAGGCCCTCAGCCTTTT
 CTGTTATGAGGACCAGGAGGCTGTATGCTTGATATGTGCAATTTCCACACCCACCGGGCCACACCGTT
 GTGCCACTGGACGATGCTACACAGGAGTACAAGGAAAACTGCAGAAGTGTCTGGAGCCCTGGAACAGA
 AGCTGCAGGAGATCACTCGCTGCAAGTCTCTGAGGAGAAGAAGCCTGGTGAAGAGCTCAAGAGACTAGTGA
 AAGTCGCCGACAGCAGATCTTGAGGGAGTTTGAAGAGTTCATAGCGGGCTGGATGAAGAGCAGCAGGTG
 TTGCTTTACGACTGGAAGAAGAGGAACAGGACATTCTGCAGCGACTCCGAGAAAATGCTGCTCACCTTG
 GGGACAAGCGCCGGGACCTGGCCCACTTGGCTGCCGAGGTGGAGGGCAAGTGCTTACAGTCAGGCTTCGA
 GATGCTTAAGGATGTCAAAAGTACCCTGGAAAAATGTGAAAAGGTGAAGACCATGGAGGTGACTTCAGTA
 TCCATAGAGCTGGAAAAGAACTTCAGCAATTTTCCCGACAGTACTTTGCCCTAAGGAAAATCCTTAAAC
 AGCTAATTGCGGATGTGACCCTGGACCTGAGACAGCTCATCCTAACCTAGTCTGTGAGGATCGTAA
 GAGCGTCAAGTTCTGGAGACAAGACTCCGGGATCTCCCTGACACCAAGGCGTTTACCTTCTACCCT
 TCGCTCTGGCTACTGAGGGTTTCACTCAGGTCGACACTACTGGGAGGTGGAGGTGGGCGACAAGACCC
 ACTGGGCAGTGGGTGTATGCCGGGACTCCGTGAGCCGAAAGGGCGAGTTGACTCCACTCCCTGAGACTGG
 CTACTGGCGGGTGGCGCTATGGAATGGGACAAATATGCAGCCACCACACACCTTTTACCCTTTGCAC
 ATCAAGGTGAAACCCAAGCGGTAGGCATATTCCTAGACTATGAGGCCGGCACACTGTCTTTCTACAATG
 TCACAGACCGCTCTCATCTACACCTTCACTGATACTTTTACTGAGAACTTTGGCCCCTCTTCTACCG
 AGGCATCCGGGTGGACGGAAGAATGCTGCACCACTTACCATCAGGCCCCCAACAGATTGGGAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

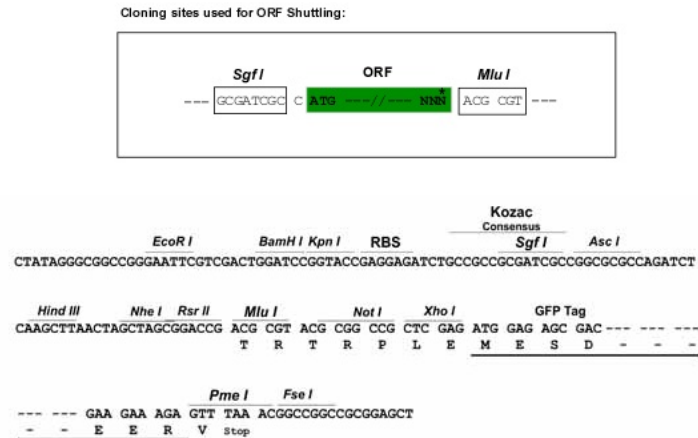
>RG205987 representing NM_172016
 Red=Cloning site Green=Tags(s)

MAETSLLEAGASAASTAAALENLQVEASCSVCLEYLKEPVIIIECGHNFCKACITRWEDLERDFPCPVC
 KTSRYRSLRPNRQLGSMVEIAKQLQAVKRKIRDESLCPQHHEALSLFCYEDQEAVCLICAISHTHRAHTV
 VPLDDATQEYKEKLQKLEPLEQLQEITRCKSSEKKPGELKRLVESRRQQILREFEELHRRLEDEEQV
 LLSRLEEEEDILQRLRENAHLGDKRRDLAHLAAEVEGKCLQSGFEMLDVKSTLEKCEKVKTMEVTSV
 SIELEKNFSNFPQYFALRKILKQLIADVTLDPETAHPNLVLSERKSVKFVETRLRDLPTPRRFTFYP
 CVLATEGFTSGRHYWEVEVGDKTHWAVGVCRDSVSRKGELTPLPETGYWRVRLWNGDKYAATTPFTPLH
 IKVKPKRVGIFLDYEAGTLSFYNVTDNRSHIYFTDTFTEKLWPLFYPGIRAGRNAAPLTIRPPTDWE

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_172016

ORF Size: 1464 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_172016.2](#), [NP_742013.1](#)

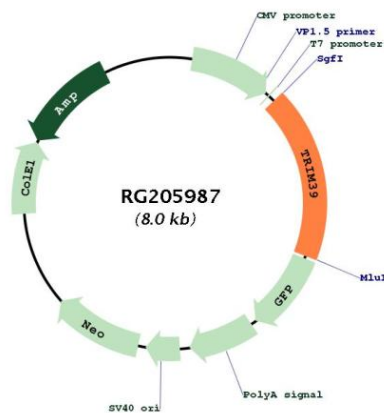
RefSeq Size: 3545 bp

RefSeq ORF: 1467 bp

Locus ID: 56658

UniProt ID:	<u>Q9HCM9</u>
Cytogenetics:	6p22.1
Protein Families:	Druggable Genome
Gene Summary:	The protein encoded by this gene is a member of the tripartite motif (TRIM) family. The TRIM motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. The function of this protein has not been identified. This gene lies within the major histocompatibility complex class I region on chromosome 6. Alternate splicing results in two transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG205987